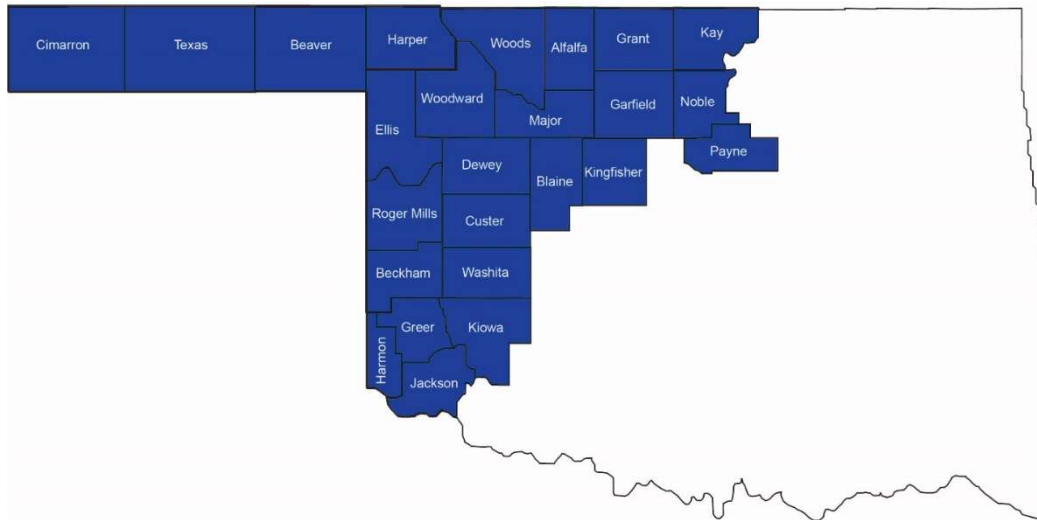


WESTERN OKLAHOMA WORKFORCE DEVELOPMENT AREA



2022 LOCAL BRIEFING



OKLAHOMA
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Introduction

The Western Oklahoma Workforce Development Area (WFDA) is composed of 25 Oklahoma counties: Alfalfa, Beaver, Beckham, Blaine, Cimarron, Custer, Dewey, Ellis, Garfield, Grant, Greer, Harmon, Harper, Jackson, Kay, Kingfisher, Kiowa, Major, Noble, Payne, Roger Mills, Texas, Washita, Woods, and Woodward. According to the U.S. Census Bureau, this region of the state covers 26,562 square and is home to over 414,000 residents. The following briefing reviews the population, education, labor force, top industries by total jobs, and staffing patterns for state target sectors for the Western Oklahoma WFDA.

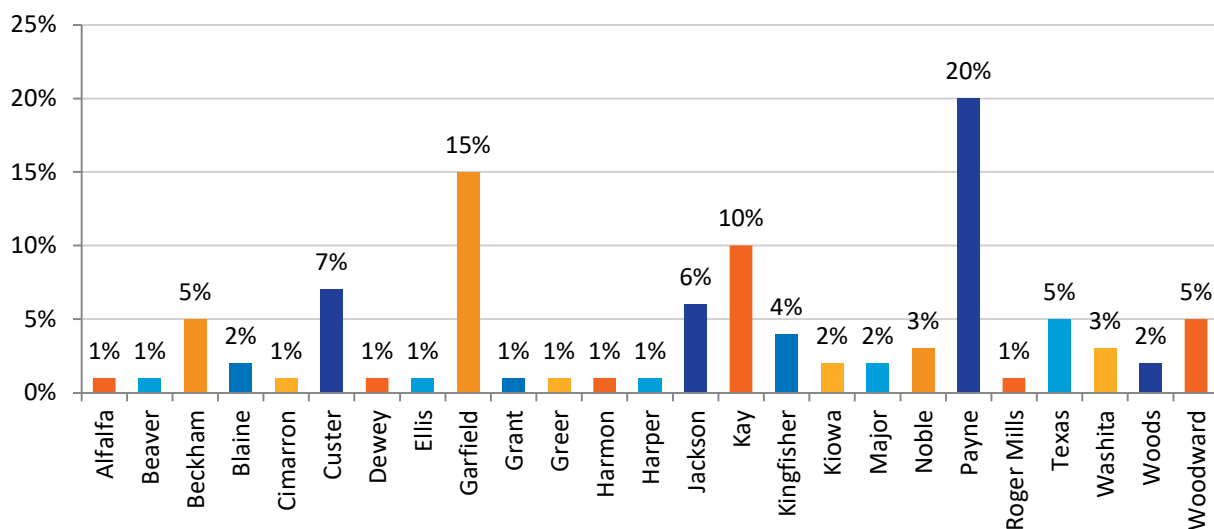
Population

Between 2016 to 2021, the Western WFDA declined in population by approximately -3%, from 426,078 to 414,208, or around 11,870 fewer people. By 2026, the area is expected to grow by 1% to 416,602 people. The following shows population figures and analyses by county, age, race, and ethnicity in the Western WFDA.

Population by County

Figure 1 shows the Western WFDA population breakdown by county. Payne County had the largest population, representing 20% of the population in the Western WFDA. Garfield County had the second largest population at 15%. Various counties including Alfalfa, Beaver, and Cimarron, among others, made up the smallest percentages of the population at 1% each.

Figure 1: Population by County



Source: Lightcast- economicmodeling.com- 2022.3

Table 1 provides the population change from 2016 to 2021. During this period, all but one of Western's counties experienced population decline. Kingfisher County was the only county to grow in population at 205 additional people by 2021. Alternatively, Kay County experienced the largest population decrease at 1,915 fewer people.

Table 1: Population by County

County	2016 Population	2021 Population	Total Change
Alfalfa	5,926	5,701	-225
Beaver	5,437	5,278	-159
Beckham	22,467	21,688	-779
Blaine	9,649	9,502	-147
Cimarron	2,181	2,171	-10
Customer	29,224	28,773	-451
Dewey	4,895	4,830	-65
Ellis	4,083	3,809	-274
Garfield	62,585	61,064	-1,521
Grant	4,454	4,430	-24
Greer	5,958	5,680	-278
Harmon	2,712	2,574	-138
Harper	3,787	3,629	-158
Jackson	25,488	24,192	-1,296
Kay	44,937	43,022	-1,915
Kingfisher	15,661	15,866	205
Kiowa	9,034	8,810	-224
Major	7,760	7,664	-96
Noble	11,420	11,042	-378
Payne	81,924	81,913	-11
Roger Mills	3,683	3,564	-119
Texas	21,242	19,772	-1,470
Washita	11,428	10,798	-630
Woods	9,152	8,673	-479
Woodward	20,991	19,764	-1,227
Total	426,078	414,208	-11,870

Source: Lightcast- economicmodeling.com- 2022.3

Table 2 shows the projected population change from 2021 to 2026. During this period, more than half of Western's counties are projected to grow in population. In particular, Beckham County is projected to grow the most during this period with an additional 963 people by 2026. Kay County will continue losing the greatest number of people out of all counties in the Western WFDA at 1,133 fewer people by 2026.

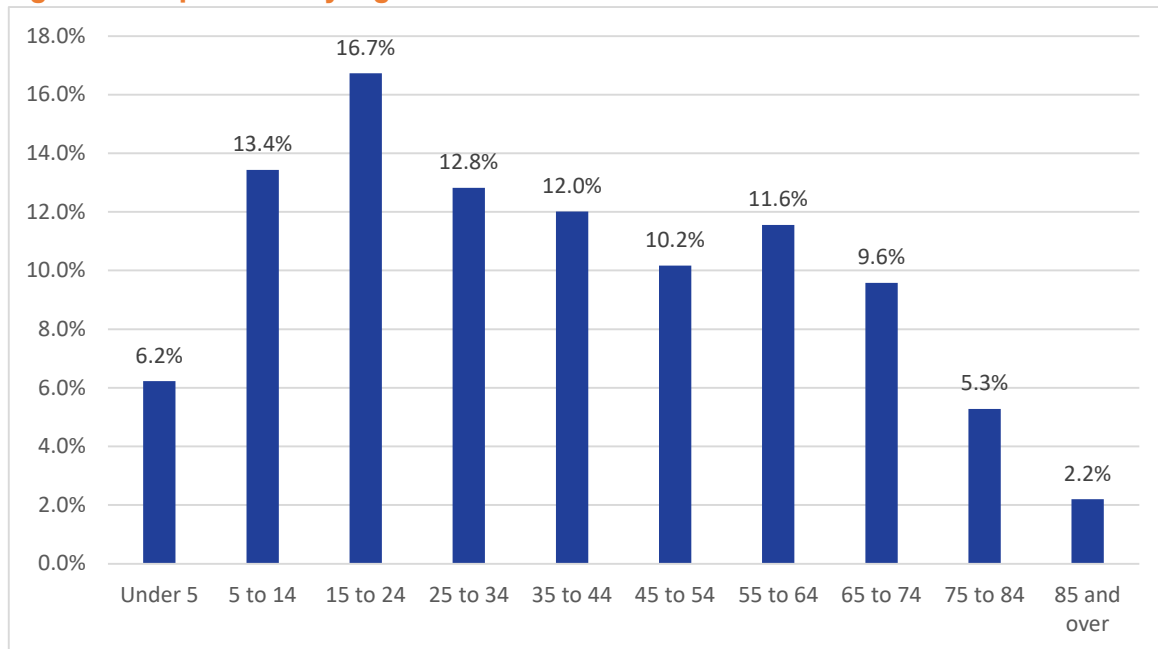
Table 2: Projected Population by County

County	2021 Population	2026 Population	Total Change
Alfalfa	5,701	5,698	-3
Beaver	5,278	5,685	406
Beckham	21,688	22,652	963
Blaine	9,502	9,801	298
Cimarron	2,171	2,337	166
Comanche	28,773	29,448	675
Dewey	4,830	4,938	108
Ellis	3,809	3,790	-19
Garfield	61,064	61,819	755
Grant	4,430	4,706	277
Greer	5,680	5,641	-39
Harmon	2,574	2,737	163
Harper	3,629	3,747	119
Jackson	24,192	23,612	-579
Kay	43,022	41,889	-1,133
Kingfisher	15,866	16,143	277
Kiowa	8,810	9,226	416
Major	7,664	8,139	476
Noble	11,042	10,729	-312
Payne	81,913	82,559	645
Roger Mills	3,564	3,613	50
Texas	19,772	18,773	-999
Washita	10,798	10,774	-24
Woods	8,673	8,606	-67
Woodward	19,764	19,539	-226
Total	414,208	416,602	2,394

Source: Lightcast- economicmodeling.com- 2022.3

Population by Age

Figure 2 shows Western's population by age in 2021. 15- to 24-year-olds made up the largest percentage of the population at 16.7%. Individuals 5- to 14-years of age were the second largest percentage of the population at 13.4%. Those aged 85-years and over made up the smallest percentage of the population at 2.2%.

Figure 2: Population by Age

Source: Lightcast- economicmodeling.com- 2022.3

Table 3 provides the population change by age group from 2016 to 2021. During this period, less than half of all age groups grew in population. In particular, all groups aged 65 and over grew while all younger age groups below 35 declined. Individuals 65- to 74-years of age added the most people at 4,407 while 35- to 44-year-olds were next at 1,829. Those over 85 grew the least at just two more people since 2016. 45- to 54-year-olds declined the most during this period at 5,174 fewer people by 2021.

Table 3: Population by Age

Age	2016 Population	2021 Population	Total Change
Under 5	29,078	25,779	-3,299
5 to 14	57,343	55,640	-1,703
15 to 24	71,460	69,287	-2,173
25 to 34	57,036	53,104	-3,932
35 to 44	47,952	49,781	1,829
45 to 54	47,276	42,102	-5,174
55 to 64	50,860	47,842	-3,018
65 to 74	35,287	39,694	4,407
75 to 84	20,663	21,855	1,192
85 and over	9,123	9,125	2
Total	426,078	414,208	-11,870

Source: Lightcast - economicmodeling.com- 2022.3

Table 4 provides the population change by age group from 2021 to 2026. During this period, more than half of all age groups are projected to grow. All age groups above 65 are projected to continue growing while fewer young age groups are expected to decline. In particular, 75- to 84-year-olds will add the most people at 3,924 while 65- to 74-year-olds will add 3,046 more people. People over 85 will grow the least, adding 697 more people in the next five years. Alternatively, 55- to 64-year-olds are projected to decline the most with 5,513 fewer people by 2026. The population of 5- to 14-year-olds and those under 5 is projected to continue declining during this period, at 2,446 and 681 fewer people, respectively.

Table 4: Projected Population by Age

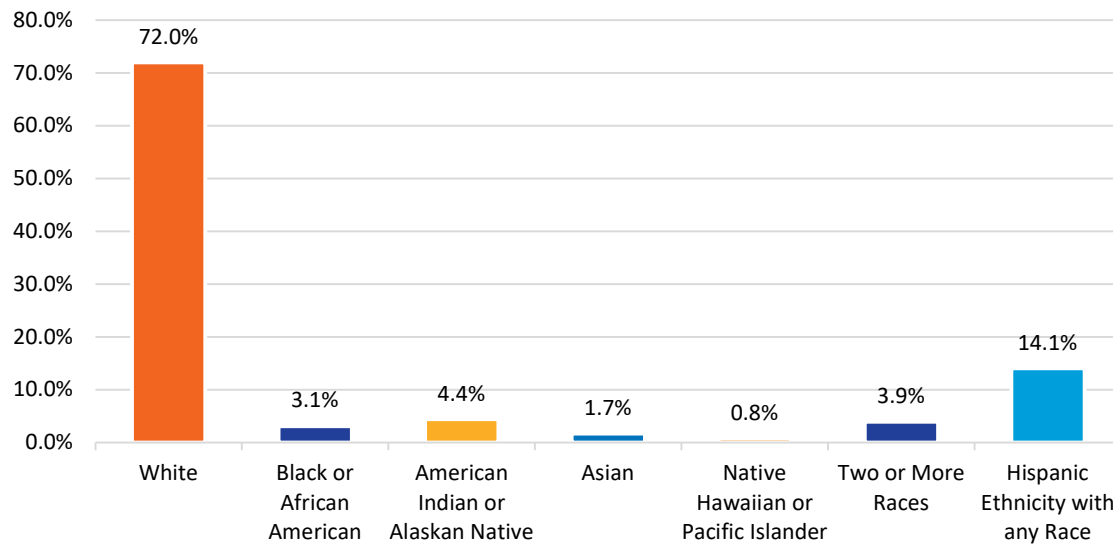
Demographic	2021 Population	2026 Population	Total Change
Under 5	25,779	25,098	-681
5 to 14	55,640	53,195	-2,446
15 to 24	69,287	70,325	1,037
25 to 34	53,104	53,901	797
35 to 44	49,781	49,227	-554
45 to 54	42,102	44,187	2,085
55 to 64	47,842	42,329	-5,513
65 to 74	39,694	42,741	3,046
75 to 84	21,855	25,778	3,924
85 years and over	9,125	9,822	697
Total	414,208	416,602	2,394

Source: Lightcast – economicmodeling.com – 2022.3

Population by Race and Ethnicity

The following analyses used the racial and ethnicity categories designated by the U.S. Census Bureau. The Census Bureau categorizes “Hispanic” as an ethnicity rather than a race. As such, Hispanic is always reported in conjunction with another racial designator, i.e., “Black or African American, Hispanic.” Unless otherwise noted, individual races included in this briefing section were reported as Non-Hispanic.

Figure 3 provides the Western WFDA population percentages by race and ethnicity. This figure shows that Whites made up the largest percentage of the population at 72%. Hispanic Ethnicity with Any Race made up the second largest percentage of the population at 14.1%. Native Hawaiians or Pacific Islanders made up the smallest percentage of the population at 0.8%.

Figure 3: Population by Race and Ethnicity

Source: Lightcast- economicmodeling.com- 2022.3

Table 5 provides the population change by demographic group from 2016 to 2021. During this period, more than half of all demographic groups grew in population. Hispanic Ethnicity with any Race added the most people during this period at 3,496 additional people. Alternatively, American Indian or Alaskan Natives saw the smallest increase in total population during this period at 404 additional people. The White population experienced the largest decline during this period at 17,593 fewer people.

Table 5: Population by Race and Ethnicity

Demographic	2016 Population	2021 Population	Total Change
White	315,833	298,240	-17,593
Black or African American	13,056	12,893	-63
American Indian or Alaskan Native	17,957	18,361	404
Asian	7,417	7,002	-415
Native Hawaiian or Pacific Islander	2,367	3,190	823
Two or More Races	14,698	16,276	1,578
Hispanic Ethnicity with any Race	54,750	58,246	3,496
Total	426,078	414,208	-11,870

Source: Lightcast - economicmodeling.com- 2022.3

Table 6 provides the projected population change by demographic group from 2021 to 2026. During this period, most demographic groups are expected to grow in population. The Hispanic population will continue to add the most people to the area with 7,515 additional people by 2026. Alternatively, Black or African Americans will add the least in total population at 1,106 additional people. The White population will continue to decline at 13,234 fewer people by 2026.

Table 6: Projected Population by Race & Ethnicity

Demographic	2021 Population	2026 Population	Total Change
White	298,240	285,006	-13,234
Black or African American	12,893	13,909	1,016
American Indian or Alaskan Native	18,361	20,150	1,789
Asian	7,002	8,046	1,044
Native Hawaiian or Pacific Islander	3,190	4,383	1,193
Two or More Races	16,276	19,346	3,070
Hispanic Ethnicity with any Race	58,246	65,762	7,515
Total	414,208	416,602	2,394

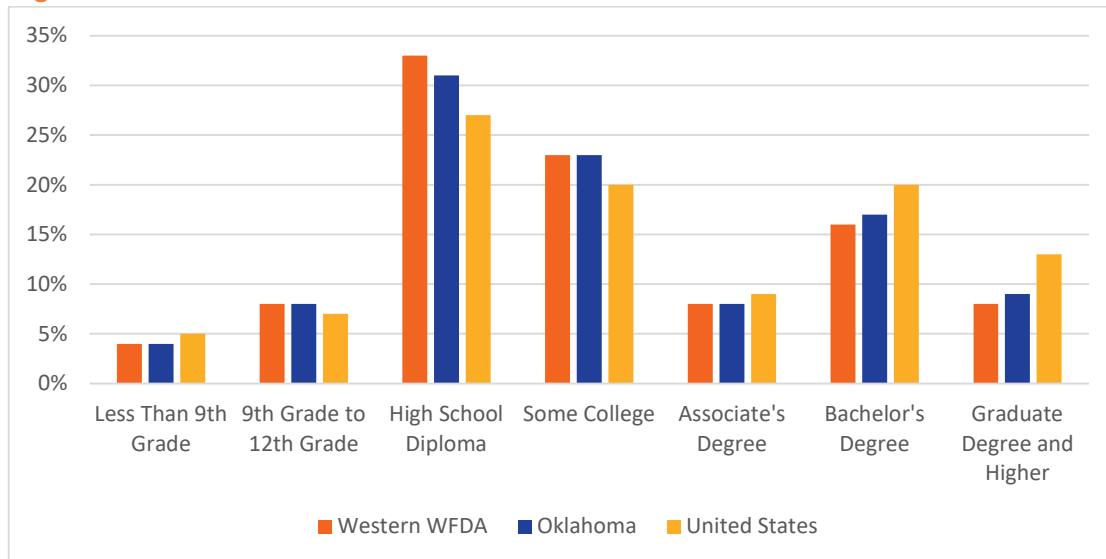
Source: Lightcast – economicmodeling.com – 2022.3

Education

Colleges, Universities, Career Technology Centers, and K-12 schools are instrumental in developing the workforce. Educational institutions help supply local businesses with a workforce with the necessary labor and skills to be competitive in today's economy. The following section reviews the Western WFDA's educational attainment, provides an educational attainment mismatch analysis, and details the areas educational assets.

Educational Attainment

Figure 4 compares the Western WFDA educational attainment levels with State of Oklahoma and United States in 2021. In Western, High School Diploma made up the largest share of the population at 33%. This was two percentage points higher than the State average of 31%. The second largest share of the population was Some College at 23%. Those with less than 9th grade educational attainment represented the smallest group at 4%, matching the State average.

Figure 4: Educational Attainment

Source: *Lightcast- economicmodeling.com- 2022.3*

Table 7 provides the change in educational attainment levels in the Western WFDA from 2016 to 2021. By 2021, fewer people had an education below the High School Diploma level while various higher education levels increased. In particular, those with an Associate's Degree grew the most during this period at 1,538 more people. Those with a Bachelor's Degree had the second largest increase at an additional 1,227 people by 2021. Alternatively, a combined 3,555 fewer people had an education below High School Diploma level by 2021. Those with a High School Diploma declined during this period at 3,959 fewer people at this education level than in 2016. This was also the case for those with a Graduate Degree and Higher with 768 fewer people during this period.

Table 7: Educational Attainment

Education Level	2016 Population	2021 Population	Total Change
Less Than 9th Grade	13,529	11,807	-1,722
9th Grade to 12th Grade	23,064	21,231	-1,833
High School Diploma	90,584	86,625	-3,959
Some College	59,385	60,208	823
Associate's Degree	18,288	19,826	1,538
Bachelor's Degree	41,344	42,571	1,227
Graduate Degree and Higher	22,003	21,235	-768
Total	268,197	263,502	-4,695

Source: *Lightcast - economicmodeling.com- 2022.3*

Table 8 provides the change in educational attainment levels in Western from 2021 to 2026. By 2026, more people will achieve higher levels of education in the area while those below the High School Diploma Level will decrease. In particular, those with an Associate's Degree will continue to grow the most out of all groups at 1,553 more people. Those with a Bachelor's Degree will be next at an additional 1,374 more people. Additionally, a combined 141 fewer people will have an education below the High School Diploma level by 2026. Those with a Graduate Degree and Higher will grow during this period by 356 people.

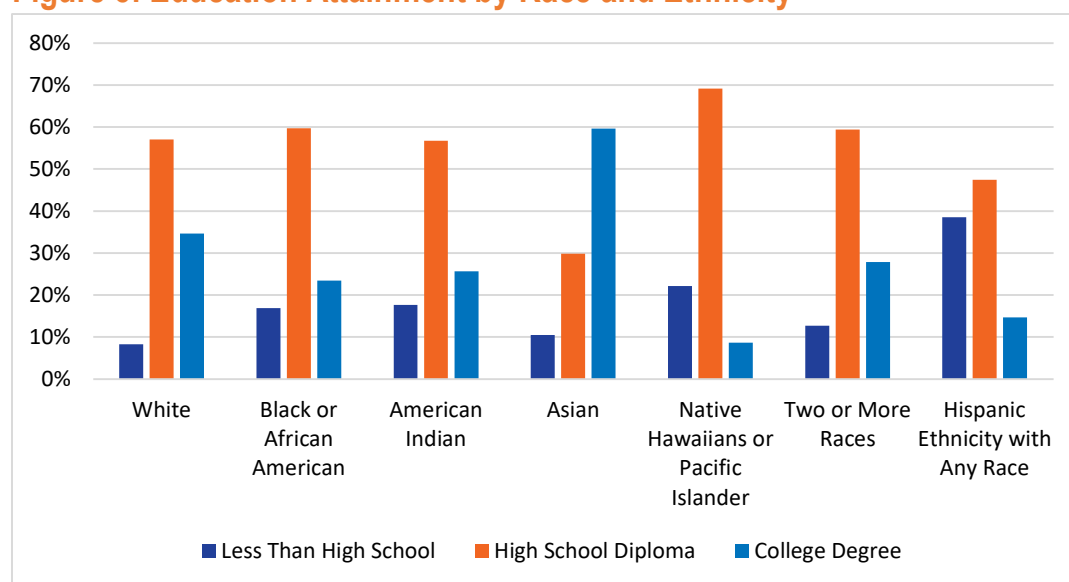
Table 8: Projected Educational Attainment

Education Level	2021 Population	2026 Population	Total Change
Less Than 9th Grade	11,807	11,678	-129
9th Grade to 12th Grade	21,231	21,219	-12
High School Diploma	86,625	86,764	139
Some College	60,208	61,410	1,202
Associate's Degree	19,826	21,378	1,553
Bachelor's Degree	42,571	43,945	1,374
Graduate Degree and Higher	21,235	21,591	356
Total	263,502	267,985	4,483

Source: Lightcast – economicmodeling.com – 2022.3

Educational Attainment by Race and Ethnicity

Figure 5 shows the breakdown of education by race and ethnicity. Across all racial and ethnic groups besides Asian, High School Diploma was the most common educational attainment level. Hispanic Ethnicity with Any Race had the largest population percentage at the Less than High School level at 39%. Native Hawaiians had the highest attainment at the High School Diploma level at 69%. Lastly, Asian Americans had the highest population percentage at the College Degree level at 60%.

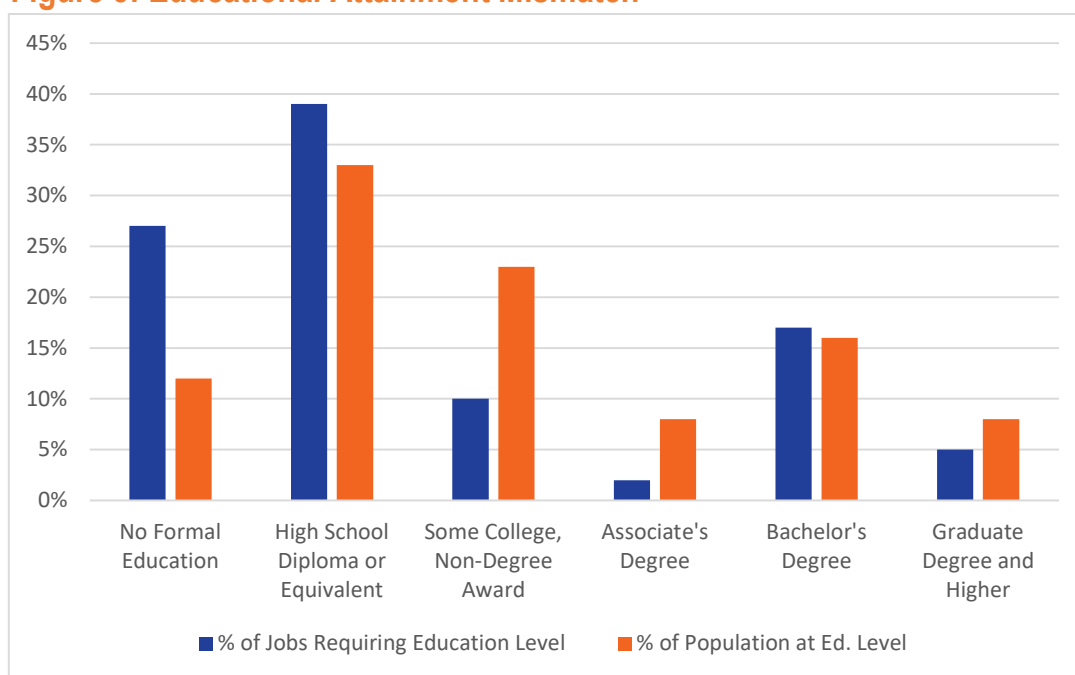
Figure 5: Education Attainment by Race and Ethnicity

Source: Lightcast- economicmodeling.com- 2022.3

Education Mismatch

Figure 6 below shows an educational attainment mismatch analysis for the Western WFDA.¹ This compares the typical education required for jobs to the educational attainment of the population in 2021. 27% of jobs in Western require no formal education while just 12% of the population have an education at this level. This suggests that many of these jobs may be filled by those with an education level beyond what is required. At the High School Diploma level, 39% of jobs in Western require this level of education while 33% of the population hold this level of education. 31% of the population had Some College or an Associate's Degree, while just 12% of jobs required these levels of education, suggesting underemployment. This is similar for those with a Graduate Degree or Higher, where 8% of the population is prepared for 5% of the jobs in the market. At the Bachelor's Degree level, 16% of the population have the degree while 17% of jobs require it.

¹ The educational attainment mismatch analysis, formerly known as skills gaps analysis, is attained by comparing the working age (25 years and older) population's educational attainment and typical entry level education for the total number of jobs. This analysis was obtained from Lightcast's underemployment data. The analysis does not account for individuals' actual educational attainment and their current employment. The analysis compares American Community Survey data from the Census Bureau with occupation data from the Bureau of Labor Statistics.

Figure 3: Educational Attainment Mismatch

Source: Lightcast- economicmodeling.com- 2022.3

Educational Assets

Western has 25 distinct post-secondary educational institutions, ranging from universities, technical colleges, community colleges, and specialty training schools. These institutions are important educational and professional assets as they help connect students of all backgrounds and circumstances with resources, degrees, certifications, and higher knowledge. Table 9 in the appendix details accredited institutions and their degree types.

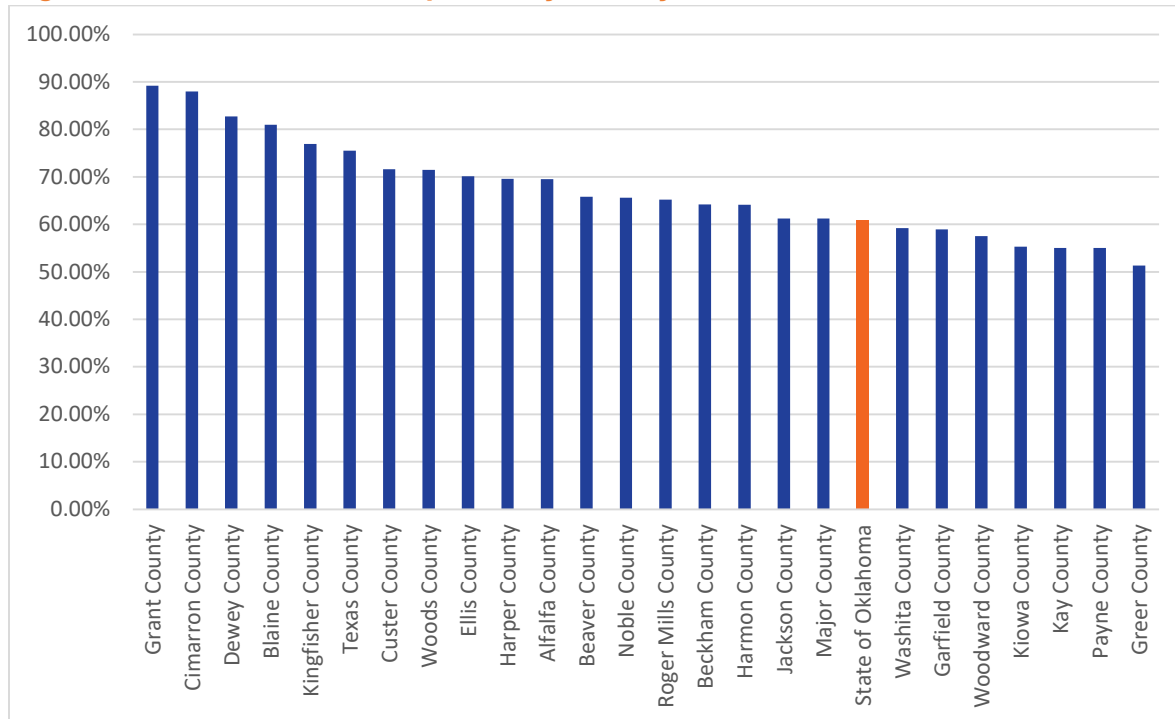
Labor Force

The labor force may be considered one of the foremost assets of a particular region, providing key goods and services, collaborating across industries, and participating in economic and skills development. The following section reviews Western's labor force participation rates broken down by county, median earnings, as well as commuter data detailing inflow, outflow, and circulation in the Western WFDA.

Labor Force Participation by County

Figure 7 shows the Western WFDA labor force participation rate by county in June 2022. Currently, eighteen of twenty five counties in the Western WFDA meet or exceed the Oklahoma state average labor force participation rate of 61%. The highest percentage is in Grant County at 89.2%. The second highest is in Cimarron County at 88%. The third highest is in Dewey County at 82.7%. The lowest percentage is in Greer County at 51.3%.

Figure 7: Labor Force Participation by County, June 2022



Source: Lightcast- economicmodeling.com- 2022.3

Table 10 below shows the labor force participation rate by county from June 2021 to June 2022. During this period, most of Western's county labor force participation rates decreased. This follows the general decline of the state's rate at -0.4% since June 2021. Kingfisher County's labor force participation rate grew during this period at an additional 0.9%. Alfalfa County's rate declined the most at -4.6%.

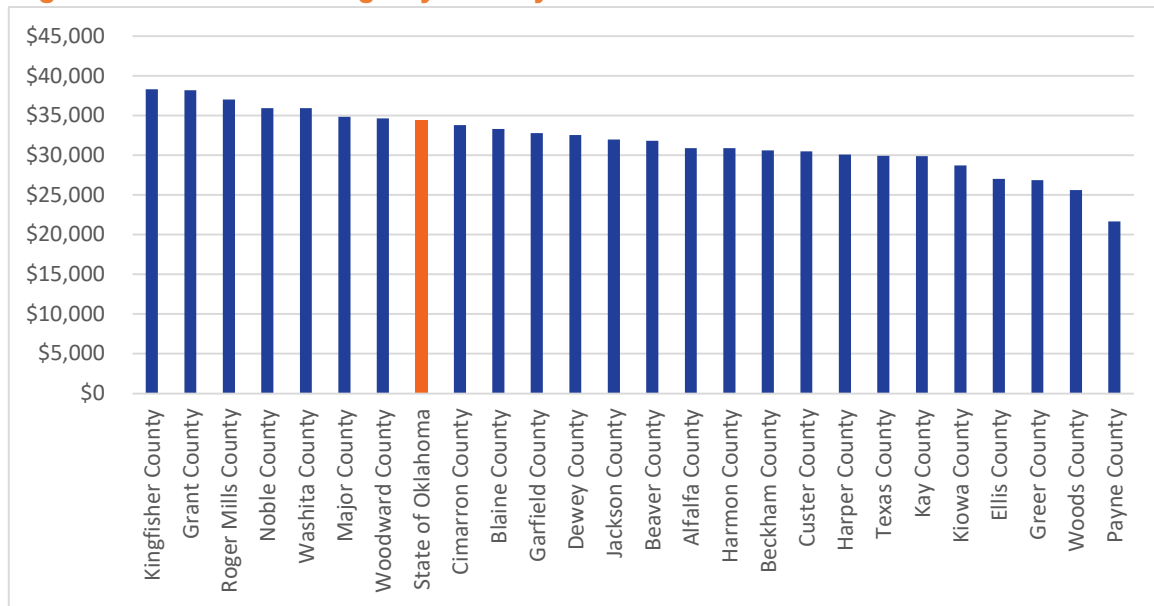
Table 10: Labor Force Participation by County

Area	June 2021	June 2022	Total Change
State of Oklahoma	61.4%	61.0%	-0.4%
Alfalfa County	74.1%	69.5%	-4.6%
Beaver County	69.0%	65.8%	-3.2%
Beckham County	67.3%	64.2%	-3.2%
Blaine County	82.5%	81.0%	-1.5%
Cimarron County	87.4%	88.0%	0.6%
Custer County	72.1%	71.6%	-0.5%
Dewey County	81.5%	82.7%	1.2%
Ellis County	70.9%	70.1%	-0.8%
Garfield County	59.7%	58.9%	-0.7%
Grant County	89.3%	89.2%	-0.1%
Greer County	54.1%	51.3%	-2.8%
Harmon County	66.8%	64.1%	-2.7%
Harper County	70.5%	69.6%	-0.9%
Jackson County	61.4%	61.2%	-0.2%
Kay County	56.3%	55.0%	-1.3%
Kingfisher County	76.0%	76.9%	0.9%
Kiowa County	56.5%	55.3%	-1.2%
Major County	63.8%	61.2%	-2.6%
Noble County	65.0%	65.6%	0.6%
Payne County	55.8%	55.0%	-0.8%
Roger Mills County	67.7%	65.2%	-2.4%
Texas County	74.7%	75.5%	0.8%
Washita County	60.8%	59.2%	-1.7%
Woods County	74.0%	71.5%	-2.5%
Woodward County	60.1%	57.5%	-2.6%

Source: Lightcast- economicmodeling.com- 2022.3

Median Earnings

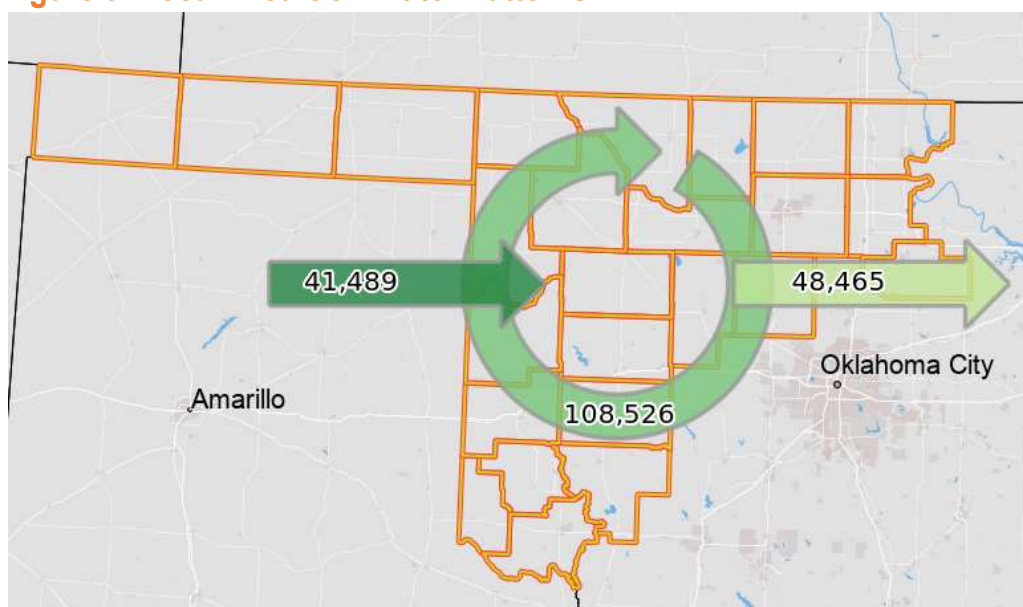
Figure 8 provides the median earnings for those that are over the age of 16 in each of Western's counties and the State of Oklahoma as a whole. The highest earnings were found in Kingfisher County at \$38,306. The second highest earnings were in Grant County at \$38,175. The third highest were in Noble County at \$37,025. The lowest median earnings were in Payne County at \$21,656. Overall, less than half of Western's counties boasted median earnings beyond those found at the state level, while the rest fell below this level.

Figure 8: Median Earnings by County

Source: American Community Survey (ACS) 2021 5-Year Estimates

Commuter Data

The U.S. Census Bureau Longitudinal Employer-Household Dynamics (LEHD) program uses data from a variety of sources including the unemployment insurance program, Quarterly Census of Employment and Wages (QCEW), and administrative data from censuses and surveys to create models estimating worker commutes for primary employment. In the Western WFDA, 41,489 work in the area and did not live there. 108,526 lived there and worked there. 48,465 lived in Western WFDA and worked outside the area (see Figure 9).

Figure 9: Local Area Commuter Patterns

Source: Center of Economic Studies (CES), OnTheMap, 2019

Top Industries by Total Jobs

The North American Industry Classification System (NAICS) is the standard utilized by federal agencies to classify businesses to collect, analyze, and publish statistical data related to the United States business economy. Several of the analyses that follow are based upon data using NAICS employment sector codes. The following information is provided to enhance understanding of the framework of these analyses.

NAICS uses a 6-digit coding system which is structured hierarchically, beginning with 20 broad economic sectors. Over 1,000 industries are then sub-categorized within these 20 sectors. Each industry within a sector shares distinguishing economic activities. The most recent version of the classification system was implemented in 2017. Additional information is available at www.census.gov/eos/www/naics.

Table 11 below shows the top ten industries in the Western WFDA by the total number of jobs in 2021. There was an estimated 153,144 number of total jobs in Western in 2021. The largest sector was Government with 40,229 jobs. The second largest sector was Retail Trade with 19,146 jobs. The tenth largest sector was Professional, Scientific, and Technical Services with 4,504 jobs. Together, these industries made up 85% of the total jobs in the Western WFDA in 2021.

Table 11: Top Industries by Total Jobs

NAICS	Description	2021 Jobs	Percentage of Total Employment
90	Government	40,229	26%
44	Retail Trade	19,146	13%
72	Accommodation and Food Services	14,856	10%
31	Manufacturing	14,101	9%
62	Health Care and Social Assistance	13,586	9%
23	Construction	7,279	5%
21	Mining, Quarrying, and Oil and Gas Extraction	5,812	4%
42	Wholesale Trade	5,117	3%
56	Administrative and Support and Waste Management and Remediation Services	5,088	3%
54	Professional, Scientific, and Technical Services	4,504	3%

Source: Lightcast- economicmodeling.com- 2022.3

Target Sectors

Oklahoma Department of Commerce has identified [Key Industry Sectors](#) for the state of Oklahoma. The Key Industry Sectors provide a competitive advantage in a global economy. They exhibit significant potential for employment growth and provide wealth generating employment opportunities. These Target Sectors include Aerospace and Defense, Agribusiness and Bioscience, Renewable and Traditional Energy, Transportation and Logistics, Automotive, and Manufacturing. Growth in these areas lead to workforce needs in complementary sectors. These complementary sectors include Construction, Health Care, Education, and Creative Industries. Figure 10 shows both target and complementary sectors. For a complete list of industries that are included in each of the sectors, the 5-digit NAICS codes are included in the appendix.

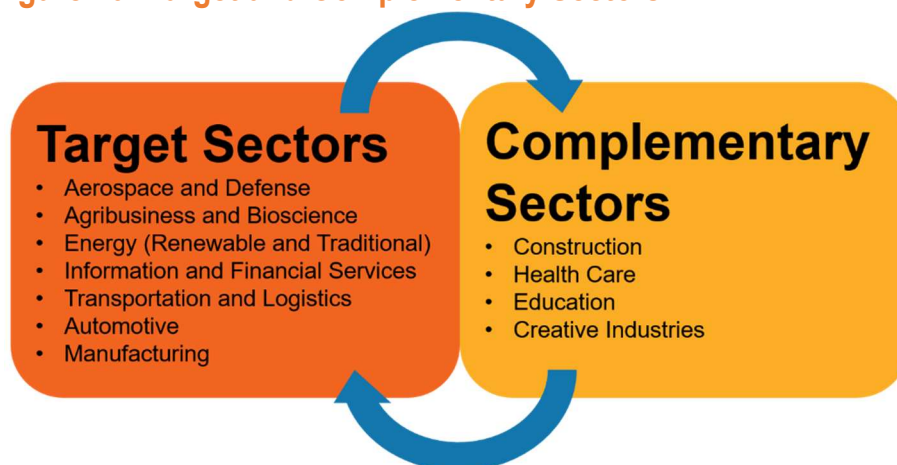
Figure 10: Target and Complementary Sectors

Table 12 shows the estimated number of new jobs for each of the target sectors in 2026, along with the growth rate and average earnings per job in the target sector. Three target sectors are projected to grow in the area while three are not projected to grow.

Table 12: Target Sector Projected Growth

Target Sector	2021 Jobs	2026 Jobs	Estimated Net Job Growth (2021-2026)	Growth Rate (2021-2026)	Average Earnings Per Job
Aerospace and Defense	4,206	4,570	364	9%	\$84,262
Agribusiness and Bioscience	14,529	15,225	696	5%	\$63,588
Energy (Renewable and Traditional)	11,330	10,572	-758	-7%	\$94,571
Information and Financial Services	7,483	7,475	-8	0%	\$80,743
Manufacturing	14,101	15,335	1,234	9%	\$66,819
Transportation and Logistics (Includes Automotive)	9,414	9,390	-24	0%	\$77,480

Source: Lightcast- economicmodeling.com- 2022.3

Target Sector Staffing Patterns

Staffing patterns were generated for each of the target sectors using Lightcast 2022.3 datarun. The staffing pattern analysis computes the occupational makeup of the target sectors by percentages. The appendix includes two tables for each target sector. The first table shows the top ten occupations by number of current jobs. The second table shows the top 10 occupations by number of new jobs projected for 2026.

Summary

This local briefing reviewed the Western WFDA's population, educational attainment and assets, labor force information, top industry data, and target and complementary sectors. The Western WFDA is one of six Workforce Development Areas (WFDAs) in Oklahoma. The Oklahoma Office of Workforce Development prepares briefings for each of the Workforce Development Areas, including a state-level briefing. Briefings are available at oklahomaworks.gov/workforce-briefings.

Appendix

Educational Assets

Table 9: Educational Assets

Institution	Institution Type	City	County	Degree Types
Northern Oklahoma College	Public	Tonkawa	Kay	Associate, Certificate
Northern Oklahoma College	Public	Enid	Garfield	Associate, Certificate
Northern Oklahoma College	Public	Stillwater	Payne	Associate, Certificate
Northwestern Oklahoma State University	Public	Alva	Woods,	Bachelor, Master, Ph.D.
Northwestern Oklahoma State University	Public	Enid	Garfield	Bachelor, Master, Ph.D.
Northwestern Oklahoma State University	Public	Woodward	Woodward	Bachelor, Master, Ph.D.
Oklahoma Panhandle State University	Public	Goodwell	Texas	Associate, Bachelor, Certificate
Oklahoma State University	Public	Stillwater	Payne	Bachelor, Master, Ph.D.
Southeastern Oklahoma State University	Public	Weatherford	Custer	Bachelor, Master
Southeastern Oklahoma State University	Public	Sayre	Beckham	Bachelor, Master
Southwestern Oklahoma State University	Public	Weatherford	Custer	Bachelor, Master, Associate, Ph.D.
University Center at Ponca City	Public	Ponca City	Kay	Associate, Bachelor, Master, Ph.D.
Western Oklahoma State College	Public	Altus	Jackson	associate, Certificate
Autry	Technical School	Enid	Garfield	Certificate
Chisholm Trail	Technical School	Omega	Kingfisher	Certificate
High Plains	Technical School	Woodward	Woodward	Certificate
Meridian	Technical School	Stillwater	Payne	Certificate
Northwest	Technical School	Alva	Woods	Certificate
Northwest	Technical School	Fairview	Major	Certificate
Pioneer	Technical School	Ponca City	Kay	Certificate

Institution	Institution Type	City	County	Degree Types
Southwest	Technical School	Altus	Jackson	Certificate
Western	Technical School	Burns Flat	Washita	Certificate
Western	Technical School	Elk City	Beckham	Certificate
Western	Technical School	Hobart Sayre	Kiowa	Certificate
Western	Technical School	Weatherford	Custer	Certificate

Source: Oklahoma State Regents of Higher Education, CareerTech.org

Target and Complementary NAICS Codes

Aerospace and Defense Industries

NAICS	Industry Description
32521	Resin and Synthetic Rubber Manufacturing
32551	Paint and Coating Manufacturing
32592	Explosives Manufacturing
32629	Other Rubber Product Manufacturing
33231	Plate Work and Fabricated Structural Product Manufacturing
33271	Machine Shops
33281	Coating, Engraving, Heat Treating, and Allied Activities
33299	All Other Fabricated Metal Product Manufacturing
33351	Metalworking Machinery Manufacturing
33361	Engine, Turbine, and Power Transmission Equipment Manufacturing
33411	Computer and Peripheral Equipment Manufacturing
33441	Semiconductor and Other Electronic Component Manufacturing
33451	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
33531	Electrical Equipment Manufacturing
33599	All Other Electrical Equipment and Component Manufacturing
33641	Aerospace Product and Parts Manufacturing
42386	Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers
48111	Scheduled Air Transportation
48121	Nonscheduled Air Transportation
48811	Airport Operations
48819	Other Support Activities for Air Transportation
54133	Engineering Services
54138	Testing Laboratories
54151	Computer Systems Design and Related Services
54161	Management Consulting Services
54169	Other Scientific and Technical Consulting Services
54171	Research and Development in the Physical, Engineering, and Life Sciences
61151	Technical and Trade Schools
	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic)
81131	Repair and Maintenance
90120	Federal Government, Military

Energy Industries

NAICS	Industry Description
21112	Crude Petroleum Extraction
21113	Natural Gas Extraction
21211	Coal Mining
21311	Support Activities for Mining
22111	Electric Power Generation
22112	Electric Power Transmission, Control, and Distribution

NAICS Industry Description

22121	Natural Gas Distribution
23712	Oil and Gas Pipeline and Related Structures Construction
23713	Power and Communication Line and Related Structures Construction
32411	Petroleum Refineries
32412	Asphalt Paving, Roofing, and Saturated Materials Manufacturing
32419	Other Petroleum and Coal Products Manufacturing
32511	Petrochemical Manufacturing
32512	Industrial Gas Manufacturing
33121	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel
33241	Power Boiler and Heat Exchanger Manufacturing
33242	Metal Tank (Heavy Gauge) Manufacturing
33291	Metal Valve Manufacturing
33313	Mining and Oil and Gas Field Machinery Manufacturing
	Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment
33341	Manufacturing
33361	Engine, Turbine, and Power Transmission Equipment Manufacturing
33391	Pump and Compressor Manufacturing
33531	Electrical Equipment Manufacturing
33591	Battery Manufacturing
42352	Coal and Other Mineral and Ore Merchant Wholesalers
42471	Petroleum Bulk Stations and Terminals
	Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and
42472	Terminals)
48611	Pipeline Transportation of Crude Oil
48621	Pipeline Transportation of Natural Gas
48691	Pipeline Transportation of Refined Petroleum Products
48699	All Other Pipeline Transportation
54136	Geophysical Surveying and Mapping Services
54138	Testing Laboratories

Agribusiness and Biosciences Industries**NAICS Industry Description**

11100	Crop Production
11200	Animal Production
11311	Timber Tract Operations
11321	Forest Nurseries and Gathering of Forest Products
11331	Logging
11411	Fishing
11421	Hunting and Trapping
11511	Support Activities for Crop Production
11521	Support Activities for Animal Production
11531	Support Activities for Forestry
31111	Animal Food Manufacturing

NAICS Industry Description

31121	Flour Milling and Malt Manufacturing
31122	Starch and Vegetable Fats and Oils Manufacturing
31123	Breakfast Cereal Manufacturing
31131	Sugar Manufacturing
31134	Nonchocolate Confectionery Manufacturing
31135	Chocolate and Confectionery Manufacturing
31141	Frozen Food Manufacturing
31142	Fruit and Vegetable Canning, Pickling, and Drying
31151	Dairy Product (except Frozen) Manufacturing
31152	Ice Cream and Frozen Dessert Manufacturing
31161	Animal Slaughtering and Processing
31171	Seafood Product Preparation and Packaging
31181	Bread and Bakery Product Manufacturing
31182	Cookie, Cracker, and Pasta Manufacturing
31183	Tortilla Manufacturing
31191	Snack Food Manufacturing
31192	Coffee and Tea Manufacturing
31193	Flavoring Syrup and Concentrate Manufacturing
31194	Seasoning and Dressing Manufacturing
31199	All Other Food Manufacturing
31211	Soft Drink and Ice Manufacturing
31212	Breweries
31213	Wineries
31214	Distilleries
32111	Sawmills and Wood Preservation
32121	Veneer, Plywood, and Engineered Wood Product Manufacturing
32191	Millwork
32192	Wood Container and Pallet Manufacturing
32199	All Other Wood Product Manufacturing
32211	Pulp Mills
32212	Paper Mills
32213	Paperboard Mills
32221	Paperboard Container Manufacturing
32222	Paper Bag and Coated and Treated Paper Manufacturing
32512	Industrial Gas Manufacturing
32519	Other Basic Organic Chemical Manufacturing
32522	Artificial and Synthetic Fibers and Filaments Manufacturing
32531	Fertilizer Manufacturing
32532	Pesticide and Other Agricultural Chemical Manufacturing
32541	Pharmaceutical and Medicine Manufacturing
33311	Agricultural Implement Manufacturing
33451	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
33461	Manufacturing and Reproducing Magnetic and Optical Media

NAICS Industry Description

33911	Medical Equipment and Supplies Manufacturing
42345	Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers
42346	Ophthalmic Goods Merchant Wholesalers
42382	Farm and Garden Machinery and Equipment Merchant Wholesalers
42421	Drugs and Druggists' Sundries Merchant Wholesalers
42443	Dairy Product (except Dried or Canned) Merchant Wholesalers
42444	Poultry and Poultry Product Merchant Wholesalers
42445	Confectionery Merchant Wholesalers
42446	Fish and Seafood Merchant Wholesalers
42447	Meat and Meat Product Merchant Wholesalers
42448	Fresh Fruit and Vegetable Merchant Wholesalers
42449	Other Grocery and Related Products Merchant Wholesalers
42451	Grain and Field Bean Merchant Wholesalers
42452	Livestock Merchant Wholesalers
42459	Other Farm Product Raw Material Merchant Wholesalers
42481	Beer and Ale Merchant Wholesalers
42482	Wine and Distilled Alcoholic Beverage Merchant Wholesalers
42491	Farm Supplies Merchant Wholesalers
49313	Farm Product Warehousing and Storage
54133	Engineering Services
54138	Testing Laboratories
54162	Environmental Consulting Services
54171	Research and Development in the Physical, Engineering, and Life Sciences
54194	Veterinary Services
54199	All Other Professional, Scientific, and Technical Services
62151	Medical and Diagnostic Laboratories

Informational and Financial Services Industries**NAICS Industry Description**

33411	Computer and Peripheral Equipment Manufacturing
51121	Software Publishers
51731	Wired and Wireless Telecommunications Carriers
51741	Satellite Telecommunications
51791	Other Telecommunications
51821	Data Processing, Hosting, and Related Services
51913	Internet Publishing and Broadcasting and Web Search Portals
51919	All Other Information Services
52111	Monetary Authorities-Central Bank
52211	Commercial Banking
52212	Savings Institutions
52213	Credit Unions
52219	Other Depository Credit Intermediation
52221	Credit Card Issuing

NAICS Industry Description

52222	Sales Financing
52229	Other Nondepository Credit Intermediation
52231	Mortgage and Nonmortgage Loan Brokers
52232	Financial Transactions Processing, Reserve, and Clearinghouse Activities
52239	Other Activities Related to Credit Intermediation
52311	Investment Banking and Securities Dealing
52312	Securities Brokerage
52313	Commodity Contracts Dealing
52314	Commodity Contracts Brokerage
52321	Securities and Commodity Exchanges
52391	Miscellaneous Intermediation
52392	Portfolio Management
52393	Investment Advice
52399	All Other Financial Investment Activities
52411	Direct Life, Health, and Medical Insurance Carriers
52412	Direct Insurance (except Life, Health, and Medical) Carriers
52413	Reinsurance Carriers
52429	Other Insurance Related Activities
52511	Pension Funds
52512	Health and Welfare Funds
52519	Other Insurance Funds
52591	Open-End Investment Funds
52592	Trusts, Estates, and Agency Accounts
52599	Other Financial Vehicles
54121	Accounting, Tax Preparation, Bookkeeping, and Payroll Services
54151	Computer Systems Design and Related Services
55111	Management of Companies and Enterprises

Transportation and Logistics Industries**NAICS Industry Description**

32621	Tire Manufacturing
33361	Engine, Turbine, and Power Transmission Equipment Manufacturing
33451	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
33611	Automobile and Light Duty Motor Vehicle Manufacturing
33612	Heavy Duty Truck Manufacturing
33621	Motor Vehicle Body and Trailer Manufacturing
33631	Motor Vehicle Gasoline Engine and Engine Parts Manufacturing
33632	Motor Vehicle Electrical and Electronic Equipment Manufacturing
33633	Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing
33634	Motor Vehicle Brake System Manufacturing
33635	Motor Vehicle Transmission and Power Train Parts Manufacturing
33636	Motor Vehicle Seating and Interior Trim Manufacturing
33637	Motor Vehicle Metal Stamping

NAICS Industry Description

33639	Other Motor Vehicle Parts Manufacturing
33651	Railroad Rolling Stock Manufacturing
33661	Ship and Boat Building
33699	Other Transportation Equipment Manufacturing
42311	Automobile and Other Motor Vehicle Merchant Wholesalers
42312	Motor Vehicle Supplies and New Parts Merchant Wholesalers
42313	Tire and Tube Merchant Wholesalers
42314	Motor Vehicle Parts (Used) Merchant Wholesalers
42321	Furniture Merchant Wholesalers
42322	Home Furnishing Merchant Wholesalers
42331	Lumber, Plywood, Millwork, and Wood Panel Merchant Wholesalers
42332	Brick, Stone, and Related Construction Material Merchant Wholesalers
42333	Roofing, Siding, and Insulation Material Merchant Wholesalers
42339	Other Construction Material Merchant Wholesalers
42341	Photographic Equipment and Supplies Merchant Wholesalers
42342	Office Equipment Merchant Wholesalers
42343	Computer and Computer Peripheral Equipment and Software Merchant Wholesalers
42344	Other Commercial Equipment Merchant Wholesalers
42345	Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers
42346	Ophthalmic Goods Merchant Wholesalers
42349	Other Professional Equipment and Supplies Merchant Wholesalers
42351	Metal Service Centers and Other Metal Merchant Wholesalers
42352	Coal and Other Mineral and Ore Merchant Wholesalers
42361	Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers
42362	Household Appliances, Electric Housewares, and Consumer Electronics Merchant Wholesalers
42369	Other Electronic Parts and Equipment Merchant Wholesalers
42371	Hardware Merchant Wholesalers
42372	Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers
42373	Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers
42374	Refrigeration Equipment and Supplies Merchant Wholesalers
42381	Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers
42382	Farm and Garden Machinery and Equipment Merchant Wholesalers
42383	Industrial Machinery and Equipment Merchant Wholesalers
42384	Industrial Supplies Merchant Wholesalers
42385	Service Establishment Equipment and Supplies Merchant Wholesalers
42386	Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers
42391	Sporting and Recreational Goods and Supplies Merchant Wholesalers
42392	Toy and Hobby Goods and Supplies Merchant Wholesalers
42393	Recyclable Material Merchant Wholesalers
42394	Jewelry, Watch, Precious Stone, and Precious Metal Merchant Wholesalers
42399	Other Miscellaneous Durable Goods Merchant Wholesalers

NAICS Industry Description

42411	Printing and Writing Paper Merchant Wholesalers
42412	Stationery and Office Supplies Merchant Wholesalers
42413	Industrial and Personal Service Paper Merchant Wholesalers
42421	Drugs and Druggists' Sundries Merchant Wholesalers
42431	Piece Goods, Notions, and Other Dry Goods Merchant Wholesalers
42432	Men's and Boys' Clothing and Furnishings Merchant Wholesalers
42433	Women's, Children's, and Infants' Clothing and Accessories Merchant Wholesalers
42434	Footwear Merchant Wholesalers
42441	General Line Grocery Merchant Wholesalers
42442	Packaged Frozen Food Merchant Wholesalers
42443	Dairy Product (except Dried or Canned) Merchant Wholesalers
42444	Poultry and Poultry Product Merchant Wholesalers
42445	Confectionery Merchant Wholesalers
42446	Fish and Seafood Merchant Wholesalers
42447	Meat and Meat Product Merchant Wholesalers
42448	Fresh Fruit and Vegetable Merchant Wholesalers
42449	Other Grocery and Related Products Merchant Wholesalers
42451	Grain and Field Bean Merchant Wholesalers
42452	Livestock Merchant Wholesalers
42459	Other Farm Product Raw Material Merchant Wholesalers
42461	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers
42469	Other Chemical and Allied Products Merchant Wholesalers
42471	Petroleum Bulk Stations and Terminals
42472	Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)
42481	Beer and Ale Merchant Wholesalers
42482	Wine and Distilled Alcoholic Beverage Merchant Wholesalers
42491	Farm Supplies Merchant Wholesalers
42492	Book, Periodical, and Newspaper Merchant Wholesalers
42493	Flower, Nursery Stock, and Florists' Supplies Merchant Wholesalers
42494	Tobacco and Tobacco Product Merchant Wholesalers
42495	Paint, Varnish, and Supplies Merchant Wholesalers
42499	Other Miscellaneous Nondurable Goods Merchant Wholesalers
42511	Business to Business Electronic Markets
42512	Wholesale Trade Agents and Brokers
48111	Scheduled Air Transportation
48121	Nonscheduled Air Transportation
48211	Rail Transportation
48321	Inland Water Transportation
48411	General Freight Trucking, Local
48412	General Freight Trucking, Long-Distance
48422	Specialized Freight (except Used Goods) Trucking, Local
48423	Specialized Freight (except Used Goods) Trucking, Long-Distance

NAICS Industry Description

48611	Pipeline Transportation of Crude Oil
48621	Pipeline Transportation of Natural Gas
48691	Pipeline Transportation of Refined Petroleum Products
48699	All Other Pipeline Transportation
48811	Airport Operations
48819	Other Support Activities for Air Transportation
48821	Support Activities for Rail Transportation
48839	Other Support Activities for Water Transportation
48841	Motor Vehicle Towing
48849	Other Support Activities for Road Transportation
48851	Freight Transportation Arrangement
48899	Other Support Activities for Transportation
49311	General Warehousing and Storage
49312	Refrigerated Warehousing and Storage
49313	Farm Product Warehousing and Storage
49319	Other Warehousing and Storage

Automotive Industries**NAICS Industry Description**

33611	Automobile and Light Duty Motor Vehicle Manufacturing
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Manufacturing Industries**NAICS Industry Description**

31111	Animal Food Manufacturing
31121	Flour Milling and Malt Manufacturing
31122	Starch and Vegetable Fats and Oils Manufacturing
31123	Breakfast Cereal Manufacturing
31131	Sugar Manufacturing
31134	Nonchocolate Confectionery Manufacturing
31135	Chocolate and Confectionery Manufacturing
31141	Frozen Food Manufacturing
31142	Fruit and Vegetable Canning, Pickling, and Drying
31151	Dairy Product (except Frozen) Manufacturing
31152	Ice Cream and Frozen Dessert Manufacturing
31161	Animal Slaughtering and Processing
31171	Seafood Product Preparation and Packaging
31181	Bread and Bakery Product Manufacturing
31182	Cookie, Cracker, and Pasta Manufacturing
31183	Tortilla Manufacturing
31191	Snack Food Manufacturing
31192	Coffee and Tea Manufacturing
31193	Flavoring Syrup and Concentrate Manufacturing
31194	Seasoning and Dressing Manufacturing

NAICS Industry Description

31199	All Other Food Manufacturing
31211	Soft Drink and Ice Manufacturing
31212	Breweries
31213	Wineries
31214	Distilleries
31223	Tobacco Manufacturing
31311	Fiber, Yarn, and Thread Mills
31321	Broadwoven Fabric Mills
31322	Narrow Fabric Mills and Schiffli Machine Embroidery
31323	Nonwoven Fabric Mills
31324	Knit Fabric Mills
31331	Textile and Fabric Finishing Mills
31332	Fabric Coating Mills
31411	Carpet and Rug Mills
31412	Curtain and Linen Mills
31491	Textile Bag and Canvas Mills
31499	All Other Textile Product Mills
31511	Hosiery and Sock Mills
31519	Other Apparel Knitting Mills
31521	Cut and Sew Apparel Contractors
31522	Men's and Boys' Cut and Sew Apparel Manufacturing
31524	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing
31528	Other Cut and Sew Apparel Manufacturing
31599	Apparel Accessories and Other Apparel Manufacturing
31611	Leather and Hide Tanning and Finishing
31621	Footwear Manufacturing
31699	Other Leather and Allied Product Manufacturing
32111	Sawmills and Wood Preservation
32121	Veneer, Plywood, and Engineered Wood Product Manufacturing
32191	Millwork
32192	Wood Container and Pallet Manufacturing
32199	All Other Wood Product Manufacturing
32211	Pulp Mills
32212	Paper Mills
32213	Paperboard Mills
32221	Paperboard Container Manufacturing
32222	Paper Bag and Coated and Treated Paper Manufacturing
32223	Stationery Product Manufacturing
32229	Other Converted Paper Product Manufacturing
32311	Printing
32312	Support Activities for Printing
32411	Petroleum Refineries
32412	Asphalt Paving, Roofing, and Saturated Materials Manufacturing

NAICS Industry Description

32419	Other Petroleum and Coal Products Manufacturing
32511	Petrochemical Manufacturing
32512	Industrial Gas Manufacturing
32513	Synthetic Dye and Pigment Manufacturing
32518	Other Basic Inorganic Chemical Manufacturing
32519	Other Basic Organic Chemical Manufacturing
32521	Resin and Synthetic Rubber Manufacturing
32522	Artificial and Synthetic Fibers and Filaments Manufacturing
32531	Fertilizer Manufacturing
32532	Pesticide and Other Agricultural Chemical Manufacturing
32541	Pharmaceutical and Medicine Manufacturing
32551	Paint and Coating Manufacturing
32552	Adhesive Manufacturing
32561	Soap and Cleaning Compound Manufacturing
32562	Toilet Preparation Manufacturing
32591	Printing Ink Manufacturing
32592	Explosives Manufacturing
32599	All Other Chemical Product and Preparation Manufacturing
32611	Plastics Packaging Materials and Unlaminated Film and Sheet Manufacturing
32612	Plastics Pipe, Pipe Fitting, and Unlaminated Profile Shape Manufacturing
32613	Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing
32614	Polystyrene Foam Product Manufacturing
32615	Urethane and Other Foam Product (except Polystyrene) Manufacturing
32616	Plastics Bottle Manufacturing
32619	Other Plastics Product Manufacturing
32621	Tire Manufacturing
32622	Rubber and Plastics Hoses and Belting Manufacturing
32629	Other Rubber Product Manufacturing
32711	Pottery, Ceramics, and Plumbing Fixture Manufacturing
32712	Clay Building Material and Refractories Manufacturing
32721	Glass and Glass Product Manufacturing
32731	Cement Manufacturing
32732	Ready-Mix Concrete Manufacturing
32733	Concrete Pipe, Brick, and Block Manufacturing
32739	Other Concrete Product Manufacturing
32741	Lime Manufacturing
32742	Gypsum Product Manufacturing
32791	Abrasive Product Manufacturing
32799	All Other Nonmetallic Mineral Product Manufacturing
33111	Iron and Steel Mills and Ferroalloy Manufacturing
33121	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel
33122	Rolling and Drawing of Purchased Steel
33131	Alumina and Aluminum Production and Processing

NAICS Industry Description

33141	Nonferrous Metal (except Aluminum) Smelting and Refining
33142	Copper Rolling, Drawing, Extruding, and Alloying
33149	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, Extruding, and Alloying
33151	Ferrous Metal Foundries
33152	Nonferrous Metal Foundries
33211	Forging and Stamping
33221	Cutlery and Handtool Manufacturing
33231	Plate Work and Fabricated Structural Product Manufacturing
33232	Ornamental and Architectural Metal Products Manufacturing
33241	Power Boiler and Heat Exchanger Manufacturing
33242	Metal Tank (Heavy Gauge) Manufacturing
33243	Metal Can, Box, and Other Metal Container (Light Gauge) Manufacturing
33251	Hardware Manufacturing
33261	Spring and Wire Product Manufacturing
33271	Machine Shops
33272	Turned Product and Screw, Nut, and Bolt Manufacturing
33281	Coating, Engraving, Heat Treating, and Allied Activities
33291	Metal Valve Manufacturing
33299	All Other Fabricated Metal Product Manufacturing
33311	Agricultural Implement Manufacturing
33312	Construction Machinery Manufacturing
33313	Mining and Oil and Gas Field Machinery Manufacturing
33324	Industrial Machinery Manufacturing
33331	Commercial and Service Industry Machinery Manufacturing
	Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment
33341	Manufacturing
33351	Metalworking Machinery Manufacturing
33361	Engine, Turbine, and Power Transmission Equipment Manufacturing
33391	Pump and Compressor Manufacturing
33392	Material Handling Equipment Manufacturing
33399	All Other General Purpose Machinery Manufacturing
33411	Computer and Peripheral Equipment Manufacturing
33421	Telephone Apparatus Manufacturing
33422	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
33429	Other Communications Equipment Manufacturing
33431	Audio and Video Equipment Manufacturing
33441	Semiconductor and Other Electronic Component Manufacturing
33451	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
33461	Manufacturing and Reproducing Magnetic and Optical Media
33511	Electric Lamp Bulb and Part Manufacturing
33512	Lighting Fixture Manufacturing
33521	Small Electrical Appliance Manufacturing
33522	Major Household Appliance Manufacturing

NAICS Industry Description

33531	Electrical Equipment Manufacturing
33591	Battery Manufacturing
33592	Communication and Energy Wire and Cable Manufacturing
33593	Wiring Device Manufacturing
33599	All Other Electrical Equipment and Component Manufacturing
33611	Automobile and Light Duty Motor Vehicle Manufacturing
33612	Heavy Duty Truck Manufacturing
33621	Motor Vehicle Body and Trailer Manufacturing
33631	Motor Vehicle Gasoline Engine and Engine Parts Manufacturing
33632	Motor Vehicle Electrical and Electronic Equipment Manufacturing
33633	Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing
33634	Motor Vehicle Brake System Manufacturing
33635	Motor Vehicle Transmission and Power Train Parts Manufacturing
33636	Motor Vehicle Seating and Interior Trim Manufacturing
33637	Motor Vehicle Metal Stamping
33639	Other Motor Vehicle Parts Manufacturing
33641	Aerospace Product and Parts Manufacturing
33651	Railroad Rolling Stock Manufacturing
33661	Ship and Boat Building
33699	Other Transportation Equipment Manufacturing
33711	Wood Kitchen Cabinet and Countertop Manufacturing
33712	Household and Institutional Furniture Manufacturing
33721	Office Furniture (including Fixtures) Manufacturing
33791	Mattress Manufacturing
33792	Blind and Shade Manufacturing
33911	Medical Equipment and Supplies Manufacturing
33991	Jewelry and Silverware Manufacturing
33992	Sporting and Athletic Goods Manufacturing
33993	Doll, Toy, and Game Manufacturing
33994	Office Supplies (except Paper) Manufacturing
33995	Sign Manufacturing
33999	All Other Miscellaneous Manufacturing

Construction Industries**NAICS Industry Description**

23611	Residential Building Construction
23621	Industrial Building Construction
23622	Commercial and Institutional Building Construction
23711	Water and Sewer Line and Related Structures Construction
23712	Oil and Gas Pipeline and Related Structures Construction
23713	Power and Communication Line and Related Structures Construction
23721	Land Subdivision
23731	Highway, Street, and Bridge Construction

NAICS Industry Description

23799	Other Heavy and Civil Engineering Construction
23811	Poured Concrete Foundation and Structure Contractors
23812	Structural Steel and Precast Concrete Contractors
23813	Framing Contractors
23814	Masonry Contractors
23815	Glass and Glazing Contractors
23816	Roofing Contractors
23817	Siding Contractors
23819	Other Foundation, Structure, and Building Exterior Contractors
23821	Electrical Contractors and Other Wiring Installation Contractors
23822	Plumbing, Heating, and Air-Conditioning Contractors
23829	Other Building Equipment Contractors
23831	Drywall and Insulation Contractors
23832	Painting and Wall Covering Contractors
23833	Flooring Contractors
23834	Tile and Terrazzo Contractors
23835	Finish Carpentry Contractors
23839	Other Building Finishing Contractors
23891	Site Preparation Contractors
23899	All Other Specialty Trade Contractors

Healthcare Industries**NAICS Industry Description**

62111	Offices of Physicians
62121	Offices of Dentists
62131	Offices of Chiropractors
62132	Offices of Optometrists
62133	Offices of Mental Health Practitioners (except Physicians)
62134	Offices of Physical, Occupational and Speech Therapists, and Audiologists
62139	Offices of All Other Health Practitioners
62141	Family Planning Centers
62142	Outpatient Mental Health and Substance Abuse Centers
62149	Other Outpatient Care Centers
62151	Medical and Diagnostic Laboratories
62161	Home Health Care Services
62191	Ambulance Services
62199	All Other Ambulatory Health Care Services
62211	General Medical and Surgical Hospitals
62221	Psychiatric and Substance Abuse Hospitals
62231	Specialty (except Psychiatric and Substance Abuse) Hospitals
62311	Nursing Care Facilities (Skilled Nursing Facilities)
62321	Residential Intellectual and Developmental Disability Facilities
62322	Residential Mental Health and Substance Abuse Facilities

NAICS Industry Description

62331	Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly
62399	Other Residential Care Facilities
62411	Child and Youth Services
62412	Services for the Elderly and Persons with Disabilities
62419	Other Individual and Family Services
62421	Community Food Services
62422	Community Housing Services
62423	Emergency and Other Relief Services
62431	Vocational Rehabilitation Services
62441	Child Day Care Services

Education Industries**NAICS Industry Description**

61111	Elementary and Secondary Schools
61121	Junior Colleges
61131	Colleges, Universities, and Professional Schools
61141	Business and Secretarial Schools
61142	Computer Training
61143	Professional and Management Development Training
61151	Technical and Trade Schools
61161	Fine Arts Schools
61162	Sports and Recreation Instruction
61163	Language Schools
61169	All Other Schools and Instruction
61171	Educational Support Services

Creative Industries**NAICS Industry Description**

23622	Commercial and Institutional Building Construction
51211	Motion Picture and Video Production
51212	Motion Picture and Video Distribution
51213	Motion Picture and Video Exhibition
51219	Postproduction Services and Other Motion Picture and Video Industries
51223	Music Publishers
51224	Sound Recording Studios
51225	Record Production and Distribution
51229	Other Sound Recording Industries
54131	Architectural Services
54132	Landscape Architectural Services
54133	Engineering Services
54134	Drafting Services
54141	Interior Design Services
54142	Industrial Design Services

NAICS Industry Description

54143	Graphic Design Services
54149	Other Specialized Design Services
54181	Advertising Agencies
54182	Public Relations Agencies
54183	Media Buying Agencies
54184	Media Representatives
54185	Outdoor Advertising
54186	Direct Mail Advertising
54187	Advertising Material Distribution Services
54189	Other Services Related to Advertising
54192	Photographic Services
71111	Theater Companies and Dinner Theaters
71112	Dance Companies
71113	Musical Groups and Artists
71119	Other Performing Arts Companies
71131	Promoters of Performing Arts, Sports, and Similar Events with Facilities
71132	Promoters of Performing Arts, Sports, and Similar Events without Facilities
71141	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures
71151	Independent Artists, Writers, and Performers
71211	Museums
71212	Historical Sites

Target Sector Staffing Patterns

Table 13: Top Staffed Aerospace Occupations in 2021

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
51-4041	Machinists	174	173	-1	0%	4.1%	\$18.91	High school diploma or equivalent	None	Long-term on-the-job training
11-1021	General and Operations Managers	173	185	12	7%	4.1%	\$36.36	Bachelor's degree	5 years or more	None
51-4121	Welders, Cutters, Solderers, and Brazers	157	154	-3	-2%	3.7%	\$22.08	High school diploma or equivalent	None	Moderate-term on-the-job training
25-1099	Postsecondary Teachers	115	152	37	32%	2.7%	\$31.89	Doctoral or professional degree	None	None
53-2012	Commercial Pilots	105	118	13	13%	2.5%	\$48.24	High school diploma or equivalent	None	Moderate-term on-the-job training
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	94	98	4	4%	2.2%	\$17.43	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9161	Computer Numerically Controlled Tool Operators	93	90	-3	-4%	2.2%	\$17.74	High school diploma or equivalent	None	Moderate-term on-the-job training

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	91	88	-2	-3%	2.2%	\$14.32	High school diploma or equivalent	None	Short-term on-the-job training
49-9041	Industrial Machinery Mechanics	87	87	0	0%	2.1%	\$25.21	High school diploma or equivalent	None	Long-term on-the-job training
15-1252	Software Developers	86	128	42	49%	2.0%	\$37.69	Bachelor's degree	None	None

Source: Lightcast- economicmodeling.com- 2022.3

Table 14: Top Growing Aerospace Occupations by 2026

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
15-1252	Software Developers	86	128	42	49%	2.0%	\$37.69	Bachelor's degree	None	None
25-1099	Postsecondary Teachers	115	152	37	32%	2.7%	\$31.89	Doctoral or professional degree	None	None
15-1232	Computer User Support Specialists	77	91	14	18%	1.8%	\$22.06	Some college, no degree	None	None
53-2012	Commercial Pilots	105	118	13	13%	2.5%	\$48.24	High school diploma or equivalent	None	Moderate-term on-the-job training
11-1021	General and Operations Managers	173	185	12	7%	4.1%	\$36.36	Bachelor's degree	5 years or more	None
15-1211	Computer Systems Analysts	37	47	10	29%	0.9%	\$40.79	Bachelor's degree	None	None
11-3021	Computer and Information Systems Managers	40	50	10	25%	1.0%	\$47.29	Bachelor's degree	5 years or more	None
17-2112	Industrial Engineers	36	45	9	25%	0.8%	\$38.12	Bachelor's degree	None	None
41-3091	Sales Representatives of Services, Except Advertising, Insurance,	61	69	8	13%	1.5%	\$22.33	High school diploma or equivalent	None	Moderate-term on-the-job training

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
	Financial Services, and Travel									
13-1151	Training and Development Specialists	23	30	8	34%	0.5%	\$28.96	Bachelor's degree	Less than 5 years	None

Source: Lightcast- economicmodeling.com- 2022.3

Table 15: Top Staffed Agribusiness & Bioscience Occupations in 2021

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
51-3023	Slaughterers and Meat Packers	1,403	1,563	160	11%	9.7%	\$13.53	No formal educational credential	None	Short-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	943	852	-91	-10%	6.5%	\$11.96	No formal educational credential	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	854	932	78	9%	5.9%	\$14.14	No formal educational credential	None	Short-term on-the-job training
11-9013	Farmers, Ranchers, and Other Agricultural Managers	756	643	-114	-15%	5.2%	\$18.39	High school diploma or equivalent	5 years or more	None
51-9111	Packaging and Filling Machine Operators and Tenders	666	732	66	10%	4.6%	\$17.45	High school diploma or equivalent	None	Moderate-term on-the-job training
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	595	537	-58	-10%	4.1%	\$12.24	No formal educational credential	None	Short-term on-the-job training
51-1011	First-Line Supervisors of Production and	424	468	45	11%	2.9%	\$29.94	High school diploma or equivalent	Less than 5 years	None

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
	Operating Workers									
45-2091	Agricultural Equipment Operators	342	347	5	1%	2.4%	\$14.29	No formal educational credential	None	Moderate-term on-the-job training
53-3032	Heavy and Tractor-Trailer Truck Drivers	326	345	18	6%	2.2%	\$21.98	Postsecondary nondegree award	None	Short-term on-the-job training
49-9071	Maintenance and Repair Workers, General	314	343	29	9%	2.2%	\$15.09	High school diploma or equivalent	None	Moderate-term on-the-job training

Source: Lightcast- economicmodeling.com- 2022.3

Table 16: Top Growing Agribusiness & Bioscience Occupations by 2026

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
51-3023	Slaughterers and Meat Packers	1,403	1,563	160	11%	9.7%	\$13.53	No formal educational credential	None	Short-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	116	200	83	72%	0.8%	\$11.54	No formal educational credential	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	854	932	78	9%	5.9%	\$14.14	No formal educational credential	None	Short-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	666	732	66	10%	4.6%	\$17.45	High school diploma or equivalent	None	Moderate-term on-the-job training
51-1011	First-Line Supervisors of Production and Operating Workers	424	468	45	11%	2.9%	\$29.94	High school diploma or equivalent	Less than 5 years	None
51-3092	Food Batchmakers	261	298	37	14%	1.8%	\$13.88	High school diploma or equivalent	None	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	212	247	34	16%	1.5%	\$17.76	No formal educational credential	None	Short-term on-the-job training

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
49-9071	Maintenance and Repair Workers, General	314	343	29	9%	2.2%	\$15.09	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9041	Industrial Machinery Mechanics	120	148	28	23%	0.8%	\$25.21	High school diploma or equivalent	None	Long-term on-the-job training
53-7064	Packers and Packagers, Hand	158	181	22	14%	1.1%	\$12.68	No formal educational credential	None	Short-term on-the-job training

Source: Lightcast- economicmodeling.com- 2022.3

Table 17: Top Staffed Energy Occupations in 2021

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
47-5071	Roustabouts, Oil and Gas	946	796	-150	-16%	8.3%	\$18.18	No formal educational credential	None	Moderate-term on-the-job training
47-5013	Service Unit Operators, Oil and Gas	541	437	-104	-19%	4.8%	\$22.95	No formal educational credential	None	Moderate-term on-the-job training
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	456	423	-34	-7%	4.0%	\$29.13	High school diploma or equivalent	5 years or more	None
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	410	428	18	4%	3.6%	\$35.04	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3032	Heavy and Tractor-Trailer Truck Drivers	396	364	-32	-8%	3.5%	\$21.98	Postsecondary nondegree award	None	Short-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	374	339	-34	-9%	3.3%	\$21.27	High school diploma or equivalent	None	Moderate-term on-the-job training

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
47-5012	Rotary Drill Operators, Oil and Gas	359	301	-58	-16%	3.2%	\$21.60	No formal educational credential	None	Moderate-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	358	332	-27	-7%	3.2%	\$22.08	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	348	394	47	13%	3.1%	\$30.40	High school diploma or equivalent	None	Long-term on-the-job training
11-1021	General and Operations Managers	317	308	-9	-3%	2.8%	\$36.36	Bachelor's degree	5 years or more	None

Source: Lightcast- economicmodeling.com- 2022.3

Table 18: Top Growing Energy Occupations by 2026

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
49-9081	Wind Turbine Service Technicians	154	225	71	46%	1.4%	\$25.41	Postsecondary nondegree award	None	Long-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	348	394	47	13%	3.1%	\$30.40	High school diploma or equivalent	None	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	71	92	22	31%	0.6%	\$25.62	High school diploma or equivalent	None	Long-term on-the-job training
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	188	207	19	10%	1.7%	\$34.83	High school diploma or equivalent	Less than 5 years	None
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	410	428	18	4%	3.6%	\$35.04	High school diploma or equivalent	None	Moderate-term on-the-job training
17-2071	Electrical Engineers	71	82	11	15%	0.6%	\$47.18	Bachelor's degree	None	None
11-9021	Construction Managers	53	63	10	18%	0.5%	\$44.46	Bachelor's degree	None	Moderate-term on-the-job training
47-2111	Electricians	95	103	8	9%	0.8%	\$23.03	High school diploma or equivalent	None	Apprenticeship
47-2061	Construction Laborers	262	266	5	2%	2.3%	\$15.87	No formal educational credential	None	Short-term on-the-job training

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
11-9199	Managers, All Other	17	22	4	26%	0.2%	\$31.89	Bachelor's degree	Less than 5 years	None

Source: *Lightcast- economicmodeling.com- 2022.3*

Table 19: Top Staffed Information and Financial Services Occupations in 2021

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
43-3071	Tellers	877	716	-161	-18%	11.7%	\$13.83	High school diploma or equivalent	None	Short-term on-the-job training
13-2072	Loan Officers	464	413	-51	-11%	6.2%	\$29.69	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training
43-4131	Loan Interviewers and Clerks	406	353	-53	-13%	5.4%	\$17.78	High school diploma or equivalent	None	Short-term on-the-job training
13-2011	Accountants and Auditors	396	406	10	2%	5.3%	\$31.33	Bachelor's degree	None	None
43-4051	Customer Service Representatives	323	318	-5	-2%	4.3%	\$14.04	High school diploma or equivalent	None	Short-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	305	294	-10	-3%	4.1%	\$17.72	Some college, no degree	None	Moderate-term on-the-job training
43-1011	First-Line Supervisors of Office and Administrative Support Workers	271	252	-19	-7%	3.6%	\$22.69	High school diploma or equivalent	Less than 5 years	None
11-1021	General and Operations Managers	243	254	11	5%	3.2%	\$36.36	Bachelor's degree	5 years or more	None
11-3031	Financial Managers	189	200	11	6%	2.5%	\$47.91	Bachelor's degree	5 years or more	None

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	171	186	15	9%	2.3%	\$22.33	High school diploma or equivalent	None	Moderate-term on-the-job training

Source: Lightcast- economicmodeling.com- 2022.3

Table 20: Top Growing Information and Financial Services Occupations by 2026

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
15-1252	Software Developers	120	165	45	37%	1.6%	\$37.69	Bachelor's degree	None	None
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	130	147	17	13%	1.7%	\$23.76	Postsecondary nondegree award	None	Moderate-term on-the-job training
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	171	186	15	9%	2.3%	\$22.33	High school diploma or equivalent	None	Moderate-term on-the-job training
15-1232	Computer User Support Specialists	142	156	14	10%	1.9%	\$22.06	Some college, no degree	None	None
13-1161	Market Research Analysts and Marketing Specialists	95	106	11	12%	1.3%	\$22.26	Bachelor's degree	None	None
11-3031	Financial Managers	189	200	11	6%	2.5%	\$47.91	Bachelor's degree	5 years or more	None
11-1021	General and Operations Managers	243	254	11	5%	3.2%	\$36.36	Bachelor's degree	5 years or more	None
15-1211	Computer Systems Analysts	62	72	10	16%	0.8%	\$40.79	Bachelor's degree	None	None
13-2011	Accountants and Auditors	396	406	10	2%	5.3%	\$31.33	Bachelor's degree	None	None

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
11-3021	Computer and Information Systems Managers	73	82	9	13%	1.0%	\$47.29	Bachelor's degree	5 years or more	None

Source: *Lightcast- economicmodeling.com- 2022.3*

Table 21: Top Staffed Manufacturing Occupations in 2021

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
51-3023	Slaughterers and Meat Packers	1,403	1,563	160	11%	9.9%	\$13.53	No formal educational credential	None	Short-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	787	814	28	4%	5.6%	\$22.08	High school diploma or equivalent	None	Moderate-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	754	841	87	12%	5.3%	\$14.14	No formal educational credential	None	Short-term on-the-job training
51-1011	First-Line Supervisors of Production and Operating Workers	752	814	62	8%	5.3%	\$29.94	High school diploma or equivalent	Less than 5 years	None
51-9111	Packaging and Filling Machine Operators and Tenders	678	752	74	11%	4.8%	\$17.45	High school diploma or equivalent	None	Moderate-term on-the-job training
51-2098	Miscellaneous Assemblers and Fabricators	436	431	-5	-1%	3.1%	\$14.20	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	365	383	18	5%	2.6%	\$19.65	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4041	Machinists	355	358	3	1%	2.5%	\$18.91	High school diploma or equivalent	None	Long-term on-the-job training

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
49-9071	Maintenance and Repair Workers, General	343	378	35	10%	2.4%	\$15.09	High school diploma or equivalent	None	Moderate-term on-the-job training
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	276	272	-5	-2%	2.0%	\$17.43	High school diploma or equivalent	None	Moderate-term on-the-job training

Source: Lightcast- economicmodeling.com- 2022.3

Table 22: Top Growing Manufacturing Occupations by 2026

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
51-3023	Slaughterers and Meat Packers	1,403	1,563	160	11%	9.9%	\$13.53	No formal educational credential	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	754	841	87	12%	5.3%	\$14.14	No formal educational credential	None	Short-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	115	198	84	73%	0.8%	\$11.54	No formal educational credential	None	Short-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	678	752	74	11%	4.8%	\$17.45	High school diploma or equivalent	None	Moderate-term on-the-job training
51-1011	First-Line Supervisors of Production and Operating Workers	752	814	62	8%	5.3%	\$29.94	High school diploma or equivalent	Less than 5 years	None
49-9041	Industrial Machinery Mechanics	196	239	42	21%	1.4%	\$25.21	High school diploma or equivalent	None	Long-term on-the-job training
51-3092	Food Batchmakers	258	295	37	14%	1.8%	\$13.88	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9071	Maintenance and Repair Workers, General	343	378	35	10%	2.4%	\$15.09	High school diploma or equivalent	None	Moderate-term on-the-job training

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
53-7051	Industrial Truck and Tractor Operators	210	242	32	15%	1.5%	\$17.76	No formal educational credential	None	Short-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	787	814	28	4%	5.6%	\$22.08	High school diploma or equivalent	None	Moderate-term on-the-job training

Source: Lightcast- economicmodeling.com- 2022.3

Table 23: Top Staffed Transportation and Logistics Occupations in 2021

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
53-3032	Heavy and Tractor-Trailer Truck Drivers	1,830	1,764	-66	-4%	19.4%	\$21.98	Postsecondary nondegree award	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	627	626	-2	0%	6.7%	\$14.14	No formal educational credential	None	Short-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	500	527	27	5%	5.3%	\$22.22	High school diploma or equivalent	None	Moderate-term on-the-job training
11-1021	General and Operations Managers	349	355	6	2%	3.7%	\$36.36	Bachelor's degree	5 years or more	None
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	270	276	6	2%	2.9%	\$26.88	Bachelor's degree	None	Moderate-term on-the-job training
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	263	296	33	12%	2.8%	\$35.04	High school diploma or equivalent	None	Moderate-term on-the-job training

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
53-7065	Stockers and Order Fillers	254	263	8	3%	2.7%	\$12.30	High school diploma or equivalent	None	Short-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	229	219	-10	-5%	2.4%	\$17.72	Some college, no degree	None	Moderate-term on-the-job training
53-3033	Light Truck Drivers	218	219	1	0%	2.3%	\$15.45	High school diploma or equivalent	None	Short-term on-the-job training
43-9061	Office Clerks, General	218	210	-8	-4%	2.3%	\$13.88	High school diploma or equivalent	None	Short-term on-the-job training

Source: Lightcast- economicmodeling.com- 2022.3

Table 24: Top Growing Transportation and Logistics Occupations by 2026

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	263	296	33	12%	2.8%	\$35.04	High school diploma or equivalent	None	Moderate-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	500	527	27	5%	5.3%	\$22.22	High school diploma or equivalent	None	Moderate-term on-the-job training
51-8092	Gas Plant Operators	108	120	12	11%	1.2%	\$34.82	High school diploma or equivalent	None	Long-term on-the-job training
53-7065	Stockers and Order Fillers	254	263	8	3%	2.7%	\$12.30	High school diploma or equivalent	None	Short-term on-the-job training
13-1161	Market Research Analysts and Marketing Specialists	39	46	7	17%	0.4%	\$22.26	Bachelor's degree	None	None
49-3041	Farm Equipment Mechanics and Service Technicians	114	121	7	6%	1.2%	\$22.15	High school diploma or equivalent	None	Long-term on-the-job training
41-4011	Sales Representatives, Wholesale and	270	276	6	2%	2.9%	\$26.88	Bachelor's degree	None	Moderate-term on-

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
	Manufacturing, Technical and Scientific Products									the-job training
49-9041	Industrial Machinery Mechanics	88	94	6	7%	0.9%	\$25.21	High school diploma or equivalent	None	Long-term on-the-job training
11-1021	General and Operations Managers	349	355	6	2%	3.7%	\$36.36	Bachelor's degree	5 years or more	None
15-1252	Software Developers	14	20	6	43%	0.1%	\$37.69	Bachelor's degree	None	None

Source: Lightcast- economicmodeling.com- 2022.3